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PTO/SB/05 (11-00)

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

P-4423D1

First Inventor

David J. Wright et al.

Title

Express Mail Label No.

EL438508164US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, D.C. 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages **26**]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total **18**]
5. Oath or Declaration [Total Pages **4**]
  - a. ☐ Newly executed (original or copy)
  - b. ☒ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - a. ☒ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☒ paper
  - c. ☒ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP) of prior application No.: **09/335,218**
Prior application information: Examiner **B. Forman**Group / Art Unit **1655**

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

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Name (Print/Type) **Donna R. Fugit, Ph.D.**Registration No. (Attorney/Agent) **32,135**

Signature

*Donna R. Fugit*

Date

**7 FEB 2001**

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|  |                          |                        |          |
|--|--------------------------|------------------------|----------|
| <b>FEE TRANSMITTAL<br/>for FY 2001</b><br><br><i>Patent fees are subject to annual revision.</i> | <b>Complete if Known</b> |                        |          |
|  | Application Number       | To be assigned         |          |
|  | Filing Date              | February 7, 2001       |          |
|  | First Named Inventor     | David J. Wright et al. |          |
|  | Examiner Name            |                        |          |
| TOTAL AMOUNT OF PAYMENT  | \$746.00                 | Group Art Unit         |          |
|  |                          | Attorney Docket No.    | P-4423D1 |

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| <b>METHOD OF PAYMENT</b>  | <b>FEE CALCULATION (continued)</b>   |                       |                       |  |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
|---|--|-----------------------|-----------------------|--|-----------------------|-----------------|----------|-------|--------------------|-------------|--------------------|-------------------------------------|--------------------|-----|-----|-----|-----------------------|--|-----------------------|-----------------------|-----------------|----------|------------------|-----------------------------|-----|-----|------------------------|-----|--------------------|--|-----|-----|-----------------------------------|-----|------------------------|--|--------------|-----|---------------------------------------|-----|--------|---|-----|-----|--|-----|-----|--|-----|-----|--|-----|--------------|---|--|-----|-----|---------|-----|--|--|-----|-------|-----|-----|---|--|-----|-------|-----|-----|--|--|-----|-----|-----|-----|------------------|--|-----|-----|-----|-----|--|--|-----|-----|-----|-----|--------------------------|--|-----|-------|-----|-------|---|--|-----|-----|-----|----|----------------------------------|--|-----|-------|-----|-----|------------------------------------|--|-----|-------|-----|-----|--------------------------------|--|-----|-----|-----|-----|------------------|--|-----|-----|-----|-----|-----------------|--|-----|-----|-----|-----|-------------------------------|--|-----|----|-----|----|---------------------------------------|--|-----|-----|-----|-----|--|--|-----|----|-----|----|--|--|-----|-----|-----|-----|---|--|-----|-----|-----|-----|--|--|-----|-----|-----|-----|---|--|-----|-----|-----|-----|---|--|---------------------------|--|--|--|--|--|--------------|--|--|--|--|--|
| 1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:<br>Deposit Account Number: <b>02-1666</b><br>Deposit Account Name: <b>Becton, Dickinson and Company</b><br><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17<br><input type="checkbox"/> Applicant claims small entity status See 37 CFR § 1.27  | <b>3. ADDITIONAL FEES</b><br><table border="1"><thead><tr><th>Large Entity Fee Code</th><th>Large Entity Fee (\$)</th><th>Small Entity Fee Code</th><th>Small Entity Fee (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr><tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr><tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non - English specification</td><td></td></tr><tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr><tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr><tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr><tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr><tr><td>116</td><td>390</td><td>216</td><td>195</td><td>Extension for reply within second month</td><td></td></tr><tr><td>117</td><td>890</td><td>217</td><td>445</td><td>Extension for reply within third month</td><td></td></tr><tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td>Extension for reply within fourth month</td><td></td></tr><tr><td>128</td><td>1,890</td><td>228</td><td>945</td><td>Extension for reply within fifth month</td><td></td></tr><tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of Appeal</td><td></td></tr><tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td></td></tr><tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td></td></tr><tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr><tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr><tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td>Petition to revive - unintentional</td><td></td></tr><tr><td>142</td><td>1,240</td><td>242</td><td>620</td><td>Utility issue fee (or reissue)</td><td></td></tr><tr><td>143</td><td>440</td><td>243</td><td>220</td><td>Design issue fee</td><td></td></tr><tr><td>144</td><td>600</td><td>244</td><td>300</td><td>Plant issue fee</td><td></td></tr><tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr><tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Processing fee under 37 CFR § 1.17(q)</td><td></td></tr><tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Statement</td><td></td></tr><tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr><tr><td>146</td><td>710</td><td>246</td><td>355</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr><tr><td>149</td><td>710</td><td>249</td><td>355</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr><tr><td>179</td><td>710</td><td>279</td><td>355</td><td>Request for Continued Examination (RCE)</td><td></td></tr><tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr><tr><td colspan="6">Other fee (specify) _____</td></tr><tr><td colspan="5">SUBTOTAL (3)</td><td></td></tr></tbody></table> | Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code  | Small Entity Fee (\$) | Fee Description | Fee Paid | 105   | 130                | 205         | 65                 | Surcharge - late filing fee or oath |                    | 127 | 50  | 227 | 25                    | Surcharge - late provisional filing fee or cover sheet |                       | 139                   | 130             | 139      | 130              | Non - English specification |     | 147 | 2,520                  | 147 | 2,520              | For filing a request for <i>ex parte</i> reexamination |     | 112 | 920*                              | 112 | 920*                   | Requesting publication of SIR prior to Examiner action |              | 113 | 1,840*                                | 113 | 1,840* | Requesting publication of SIR after Examiner action |     | 115 | 110  | 215 | 55  | Extension for reply within first month |     | 116 | 390  | 216 | 195          | Extension for reply within second month |  | 117 | 890 | 217     | 445 | Extension for reply within third month |  | 118 | 1,390 | 218 | 695 | Extension for reply within fourth month |  | 128 | 1,890 | 228 | 945 | Extension for reply within fifth month |  | 119 | 310 | 219 | 155 | Notice of Appeal |  | 120 | 310 | 220 | 155 | Filing a brief in support of an appeal |  | 121 | 270 | 221 | 135 | Request for oral hearing |  | 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding |  | 140 | 110 | 240 | 55 | Petition to revive - unavoidable |  | 141 | 1,240 | 241 | 620 | Petition to revive - unintentional |  | 142 | 1,240 | 242 | 620 | Utility issue fee (or reissue) |  | 143 | 440 | 243 | 220 | Design issue fee |  | 144 | 600 | 244 | 300 | Plant issue fee |  | 122 | 130 | 122 | 130 | Petitions to the Commissioner |  | 123 | 50 | 123 | 50 | Processing fee under 37 CFR § 1.17(q) |  | 126 | 180 | 126 | 180 | Submission of Information Disclosure Statement |  | 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) |  | 146 | 710 | 246 | 355 | Filing a submission after final rejection (37 CFR § 1.129(a)) |  | 149 | 710 | 249 | 355 | For each additional invention to be examined (37 CFR § 1.129(b)) |  | 179 | 710 | 279 | 355 | Request for Continued Examination (RCE) |  | 169 | 900 | 169 | 900 | Request for expedited examination of a design application |  | Other fee (specify) _____ |  |  |  |  |  | SUBTOTAL (3) |  |  |  |  |  |
| Large Entity Fee Code   | Large Entity Fee (\$)  | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description  | Fee Paid              |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 105   | 130  | 205                   | 65                    | Surcharge - late filing fee or oath  |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 127   | 50   | 227                   | 25                    | Surcharge - late provisional filing fee or cover sheet                     |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 139   | 130  | 139                   | 130                   | Non - English specification  |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 147   | 2,520  | 147                   | 2,520                 | For filing a request for <i>ex parte</i> reexamination                     |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 112   | 920*   | 112                   | 920*                  | Requesting publication of SIR prior to Examiner action                     |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 113   | 1,840*   | 113                   | 1,840*                | Requesting publication of SIR after Examiner action                        |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 115   | 110  | 215                   | 55                    | Extension for reply within first month                                     |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 116   | 390  | 216                   | 195                   | Extension for reply within second month                                    |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 117   | 890  | 217                   | 445                   | Extension for reply within third month                                     |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 118   | 1,390  | 218                   | 695                   | Extension for reply within fourth month                                    |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 128   | 1,890  | 228                   | 945                   | Extension for reply within fifth month                                     |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 119   | 310  | 219                   | 155                   | Notice of Appeal   |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 120   | 310  | 220                   | 155                   | Filing a brief in support of an appeal                                     |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 121   | 270  | 221                   | 135                   | Request for oral hearing   |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 138   | 1,510  | 138                   | 1,510                 | Petition to institute a public use proceeding                              |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 140   | 110  | 240                   | 55                    | Petition to revive - unavoidable   |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 141   | 1,240  | 241                   | 620                   | Petition to revive - unintentional   |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 142   | 1,240  | 242                   | 620                   | Utility issue fee (or reissue)   |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 143   | 440  | 243                   | 220                   | Design issue fee   |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 144   | 600  | 244                   | 300                   | Plant issue fee  |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 122   | 130  | 122                   | 130                   | Petitions to the Commissioner  |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 123   | 50   | 123                   | 50                    | Processing fee under 37 CFR § 1.17(q)                                      |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 126   | 180  | 126                   | 180                   | Submission of Information Disclosure Statement                             |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 581   | 40   | 581                   | 40                    | Recording each patent assignment per property (times number of properties) |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 146   | 710  | 246                   | 355                   | Filing a submission after final rejection (37 CFR § 1.129(a))              |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 149   | 710  | 249                   | 355                   | For each additional invention to be examined (37 CFR § 1.129(b))           |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 179   | 710  | 279                   | 355                   | Request for Continued Examination (RCE)                                    |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 169   | 900  | 169                   | 900                   | Request for expedited examination of a design application                  |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| Other fee (specify) _____   |  |                       |                       |  |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| SUBTOTAL (3)  |  |                       |                       |  |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| <b>1. BASIC FILING FEE</b><br><table border="1"><thead><tr><th>Large Entity Fee Code</th><th>Large Entity Fee (\$)</th><th>Small Entity Fee Code</th><th>Small Entity Fee (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>101</td><td>710</td><td>201</td><td>355</td><td>Utility filing fee</td><td>710.00</td></tr><tr><td>106</td><td>320</td><td>206</td><td>160</td><td>Design filing fee</td><td></td></tr><tr><td>107</td><td>490</td><td>207</td><td>245</td><td>Plant filing fee</td><td></td></tr><tr><td>108</td><td>710</td><td>208</td><td>355</td><td>Reissue filing fee</td><td></td></tr><tr><td>114</td><td>150</td><td>214</td><td>75</td><td>Provisional filing fee</td><td></td></tr><tr><td colspan="5">SUBTOTAL (1)</td><td>\$710.00</td></tr></tbody></table>  | Large Entity Fee Code  | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$)  | Fee Description       | Fee Paid        | 101      | 710   | 201                | 355         | Utility filing fee | 710.00                              | 106                | 320 | 206 | 160 | Design filing fee     |  | 107                   | 490                   | 207             | 245      | Plant filing fee |                             | 108 | 710 | 208                    | 355 | Reissue filing fee |  | 114 | 150 | 214                               | 75  | Provisional filing fee |  | SUBTOTAL (1) |     |                                       |     |        | \$710.00  |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| Large Entity Fee Code   | Large Entity Fee (\$)  | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description  | Fee Paid              |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 101   | 710  | 201                   | 355                   | Utility filing fee   | 710.00                |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 106   | 320  | 206                   | 160                   | Design filing fee  |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 107   | 490  | 207                   | 245                   | Plant filing fee   |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 108   | 710  | 208                   | 355                   | Reissue filing fee   |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 114   | 150  | 214                   | 75                    | Provisional filing fee   |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| SUBTOTAL (1)  |  |                       |                       |  | \$710.00              |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| <b>2. EXTRA CLAIM FEES</b><br><table border="1"><thead><tr><th colspan="2">Extra Claims</th><th>Fee from below</th><th>Fee Paid</th></tr></thead><tbody><tr><td>Total Claims</td><td>22 - 20** = 2</td><td>18.00</td><td>36.00</td></tr><tr><td>Independent Claims</td><td>1 - 3** = 0</td><td>80.00</td><td>0.00</td></tr><tr><td>Multiple Dependent</td><td></td><td></td><td></td></tr></tbody></table><br><table border="1"><thead><tr><th>Large Entity Fee Code</th><th>Large Entity Fee (\$)</th><th>Small Entity Fee Code</th><th>Small Entity Fee (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td><td></td></tr><tr><td>102</td><td>80</td><td>202</td><td>40</td><td>Independent claims in excess of 3</td><td></td></tr><tr><td>104</td><td>270</td><td>204</td><td>135</td><td>Multiple dependent claim, if not paid</td><td></td></tr><tr><td>109</td><td>80</td><td>209</td><td>40</td><td>** Reissue independent claims over original patent</td><td></td></tr><tr><td>110</td><td>18</td><td>210</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr><tr><td colspan="5">SUBTOTAL (2)</td><td>\$36.00</td></tr></tbody></table> | Extra Claims   |                       | Fee from below        | Fee Paid   | Total Claims          | 22 - 20** = 2   | 18.00    | 36.00 | Independent Claims | 1 - 3** = 0 | 80.00              | 0.00                                | Multiple Dependent |     |     |     | Large Entity Fee Code | Large Entity Fee (\$)                                  | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description | Fee Paid | 103              | 18                          | 203 | 9   | Claims in excess of 20 |     | 102                | 80   | 202 | 40  | Independent claims in excess of 3 |     | 104                    | 270  | 204          | 135 | Multiple dependent claim, if not paid |     | 109    | 80  | 209 | 40  | ** Reissue independent claims over original patent |     | 110 | 18                                     | 210 | 9   | ** Reissue claims in excess of 20 and over original patent |     | SUBTOTAL (2) |   |  |     |     | \$36.00 |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| Extra Claims  |  | Fee from below        | Fee Paid              |  |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| Total Claims  | 22 - 20** = 2  | 18.00                 | 36.00                 |  |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| Independent Claims  | 1 - 3** = 0  | 80.00                 | 0.00                  |  |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| Multiple Dependent  |  |                       |                       |  |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| Large Entity Fee Code   | Large Entity Fee (\$)  | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description  | Fee Paid              |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 103   | 18   | 203                   | 9                     | Claims in excess of 20   |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 102   | 80   | 202                   | 40                    | Independent claims in excess of 3  |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 104   | 270  | 204                   | 135                   | Multiple dependent claim, if not paid                                      |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 109   | 80   | 209                   | 40                    | ** Reissue independent claims over original patent                         |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| 110   | 18   | 210                   | 9                     | ** Reissue claims in excess of 20 and over original patent                 |                       |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |
| SUBTOTAL (2)  |  |                       |                       |  | \$36.00               |                 |          |       |                    |             |                    |                                     |                    |     |     |     |                       |  |                       |                       |                 |          |                  |                             |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |              |     |                                       |     |        |   |     |     |  |     |     |  |     |     |  |     |              |   |  |     |     |         |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                       |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |              |  |  |  |  |  |

\*\*or number previously paid, if greater; For Reissues, see above

\*Reduced by Basic Filing Fee Paid

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|---------------------|-----------------------|-----------------------------------|--------------|
| <b>SUBMITTED BY</b> |                       | <b>Complete (if applicable)</b>   |              |
| Name (Print/Type)   | Donna R. Fugit, Ph.D. | Registration No. (Attorney/Agent) | 32,135       |
| Signature           | <i>Donna R. Fugit</i> | Telephone                         | 201-847-7166 |
|                     |                       | Date                              | 7 FEB 2001   |

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